

ABSTRACT

A front-end module for multi-band and multi-mode wireless network system is disclosed. The front-end module includes a diversity switch, two channel-separating devices, a plurality of band pass filters, a plurality of baluns, and a plurality of low pass filters. The number of the band pass filters, the number of the low pass filters, and the number of the baluns are the same as the number of the channels for carrying a radio frequency signal. In addition, all the band pass filters are connected to one channel-separating device while all the low pass filters are connected to the other one, and the baluns are one-on-one connected to the band pass filters.